

Interactive comment on “An overview of the HIBISCUS campaign” by J. P. Pommereau et al.

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Answer to Referee # 2

It is right that the original paper was drawing little science conclusions. It was making reference to a number of papers “in preparation”, later published or not, from which it was impossible to derive clear broad conclusions on the project. The current revised version is completely changed, now oriented toward a synthesis of scientific results effectively available, removing most of unpublished material. The description of the campaign has been shortened with flight details summarized in tables and all technical or operational information on instruments and flights in appendix. Clear distinction is made between observational data and modelling carried out within the project, the last being largely used for showing how the observations could be reproduced or not, and what could be missing in the simulations. Most of the concerns of the referee (defini-

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tion of acronyms, mixing between observations and models, English writing) have been taken into account and corrected. Two specific points: - we have left the comparison between NWP reanalyses and past balloon flights data since the examination of the validity of their temperature trend in the tropics, different from that of the radiosondes, was one objective of Hibiscus. Particularly successful has been the recovery of past balloon data from various archives and obsolete data storage systems which required a large effort from several partners, all these data being now safely archived and available for further studies. - HIBISCUS is not an acronym. It is just a title referring to the tropics. Hope the paper will be now more acceptable and more interesting.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 2389, 2007.

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